

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 June 2004 (17.06.2004)

PCT

(10) International Publication Number  
**WO 2004/050967 A1**

(51) International Patent Classification?: **D01F 11/14**

(21) International Application Number:  
PCT/EP2003/050906

(22) International Filing Date:  
27 November 2003 (27.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02292979.8 3 December 2002 (03.12.2002) EP

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

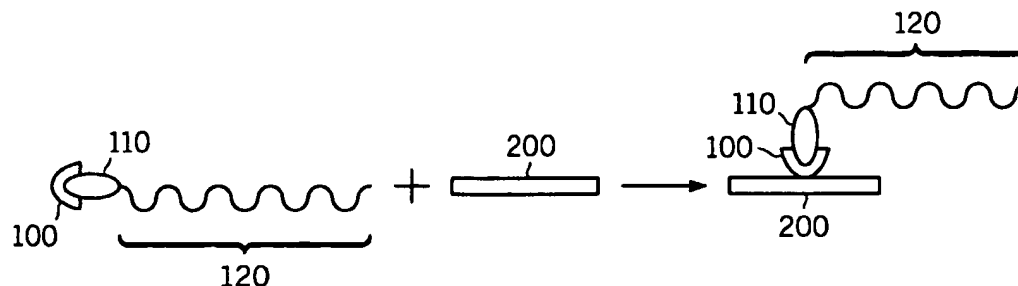
(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **LINKAGE OF NANOMORPHIC CARBON TO A NUCLEIC ACID**



(57) Abstract: An exemplary method for substantially non-covalent linkage of nanomorphous carbon species (200) to a nucleic acid such as DNA (120) comprises inter alia the steps of providing a strand of nucleic acid (120), functionalizing the nucleic acid strand (120) with a first biomolecule (110), reacting the functionalized nucleic acid (110, 120) with a second biomolecule (100) and coupling a nanomorphous carbon species (200) to the nucleic acid complex (100, 110, 120). Disclosed features and specifications may be variously adapted or otherwise optionally modified to control or otherwise improve the deposition and/or orientation of nanomorphous carbon molecules with respect to any surface or substrate. An exemplary embodiment of the present invention representatively provides for non-covalent linkage of carbon nanotubes to DNA via a biotin-streptavidin complex.